Renforcement des capacités dans le domaine de l'hydrographie – Formation Cat-B du CIDCO

Colloque CIDCO 2023

Mohamed-Ali Chouaer

Rimouski, 3 Avril 2023

CIDCO

VISION :

Être un centre d'expertise de renommée mondiale et un partenaire de choix en hydrographie pour une économie bleue durable.

MISSION :

Moderniser l'hydrographie par la recherche appliquée, le développement, le transfert technologique et la formation.

Training objectives

- Technology transfer from research to the private sector and training on new technologies in hydrography and ocean mapping.
- Provide specialized training in the collection and processing of hydrographic data to students from all over the world.
- Train qualified hydrographers and polyvalent technicians.
- Offering a recognized course in Canada, delivered in French and in English.

Course information

Name of the Program	**CIDCO Course in hydrographic surveying**
Institution	**CIDCO**
Recognition year	**2014/2022**
Level of recognition	**Category "B"**
Duration of the Program	**40 weeks**
Duration of the final field project (CFFP) and Practicals (Pre-CFFP)	**7 weeks**
Country of the institution	**Canada**
Language(s) in which the Program is delivered	**French and English**
Program capacity	**15 students maximum**

Course Structure

- **E-learning**

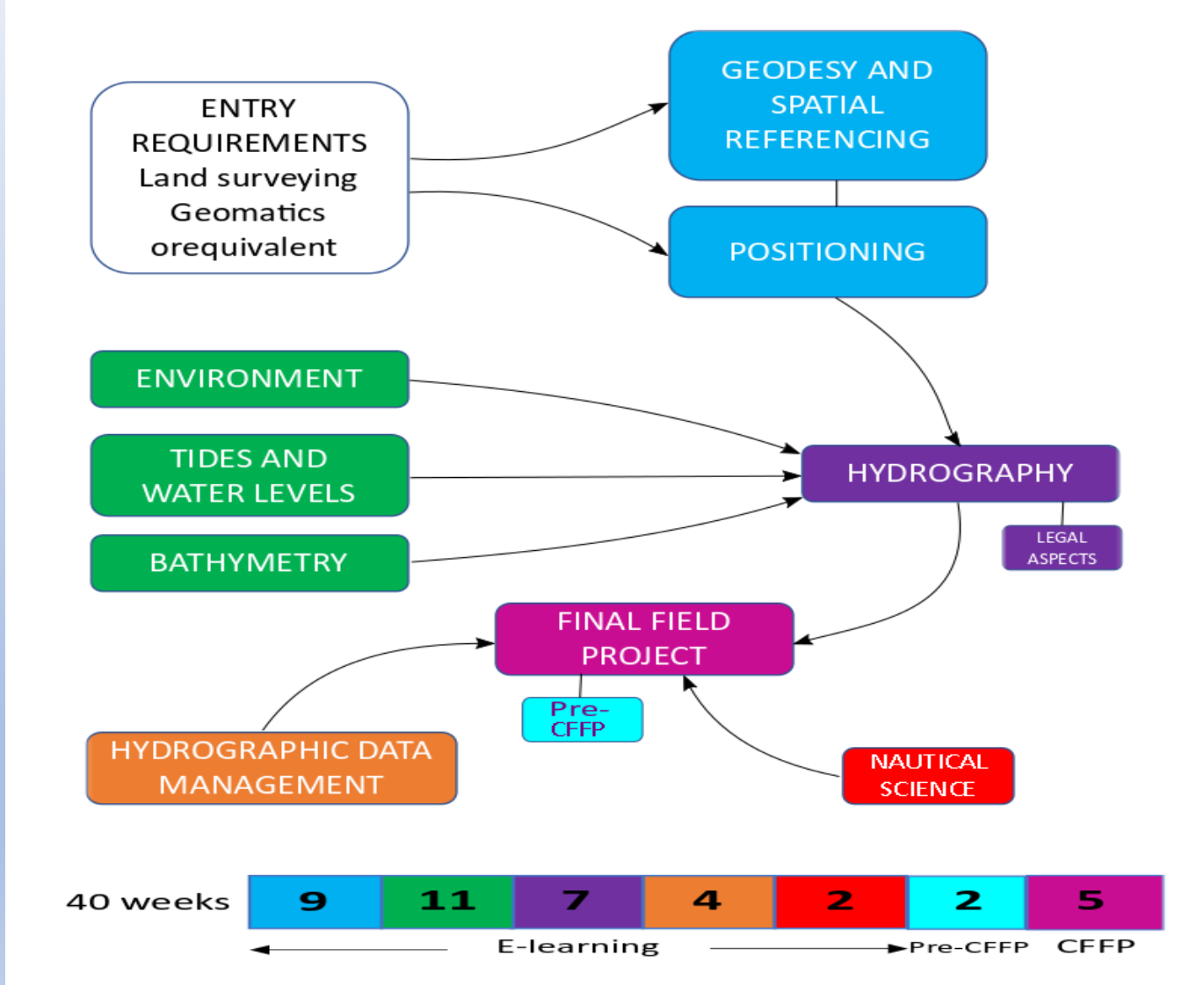
9 Modules that cover all the theory and hydrographic concepts.

- **Practical training**

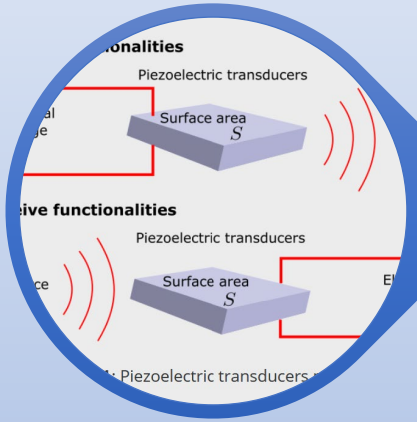
Hands-on exercises to put into practice the learned theory

- **Final Field Project (CFFP)**

Carry out the various hydrographic surveying task



Learning outcomes



- Knowledge of operational principles of hydrographic systems components;

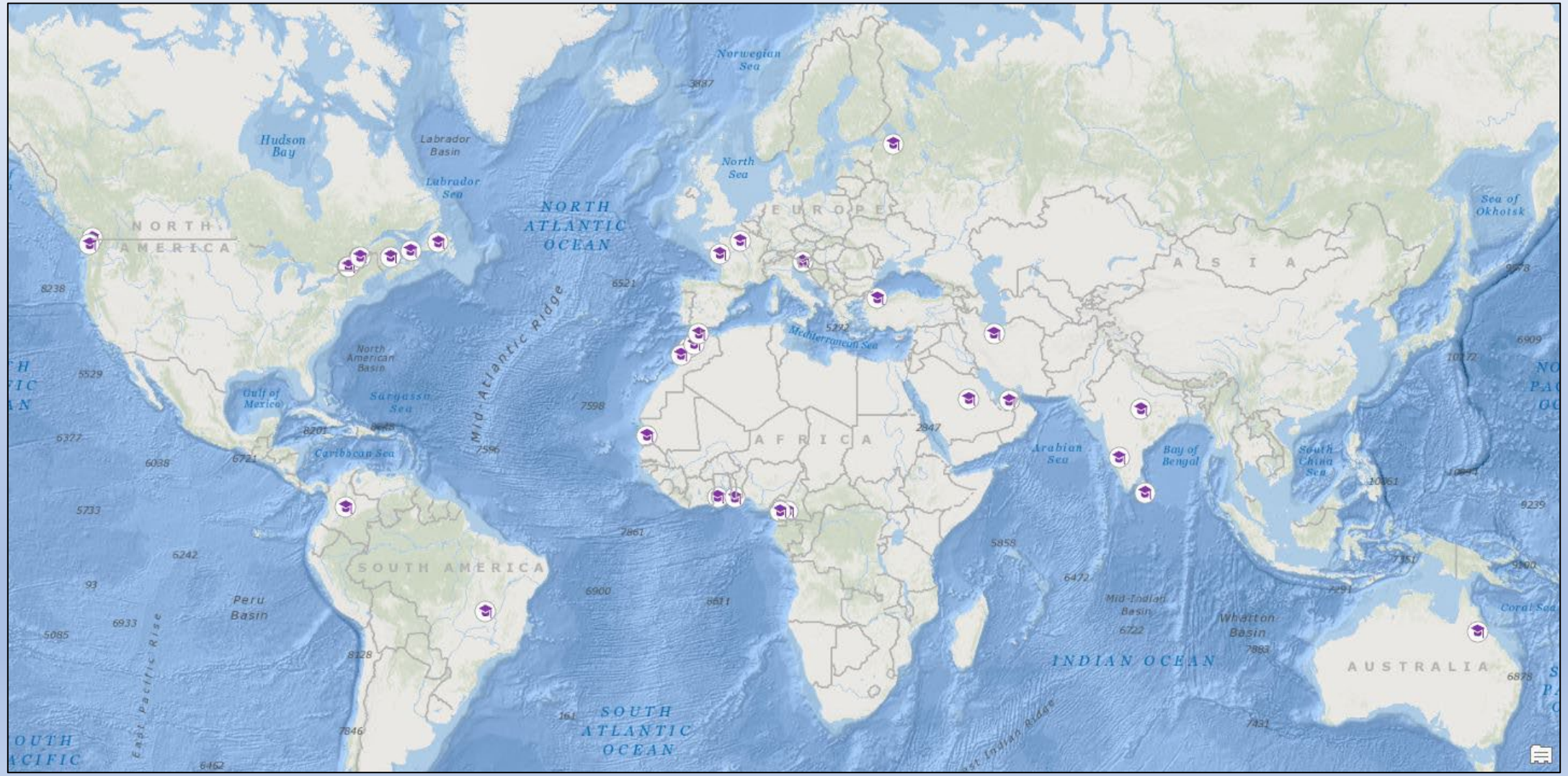
- Ability to set up a hydrographic system on a survey vessel;

- Ability to conduct hydrographic surveys in accordance with the IHO hydrographic standards

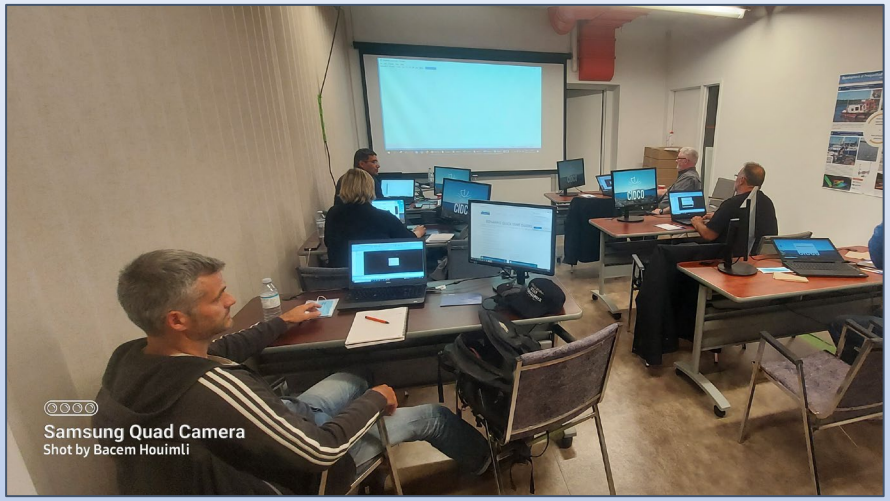
- Being able to perform quality control and quality assessment of hydrographic data;

- Perform data processing and produce marine charts using dedicated software;

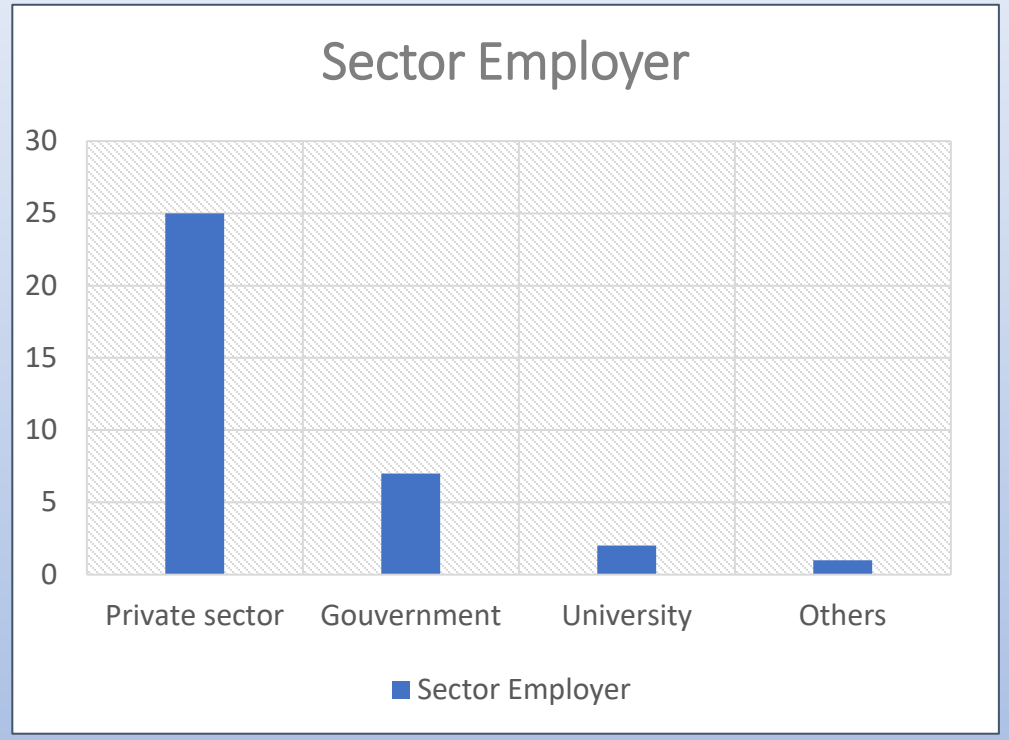
Students Country of Origin

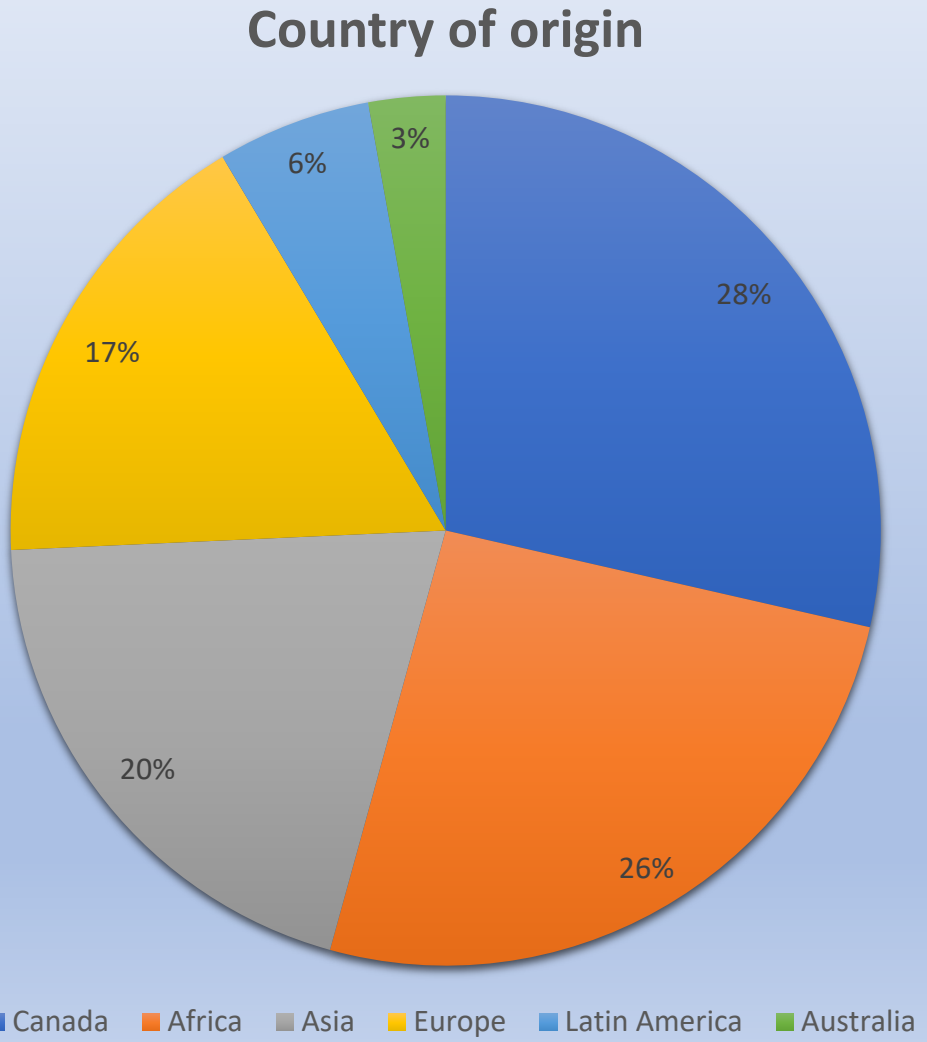


Students profiles

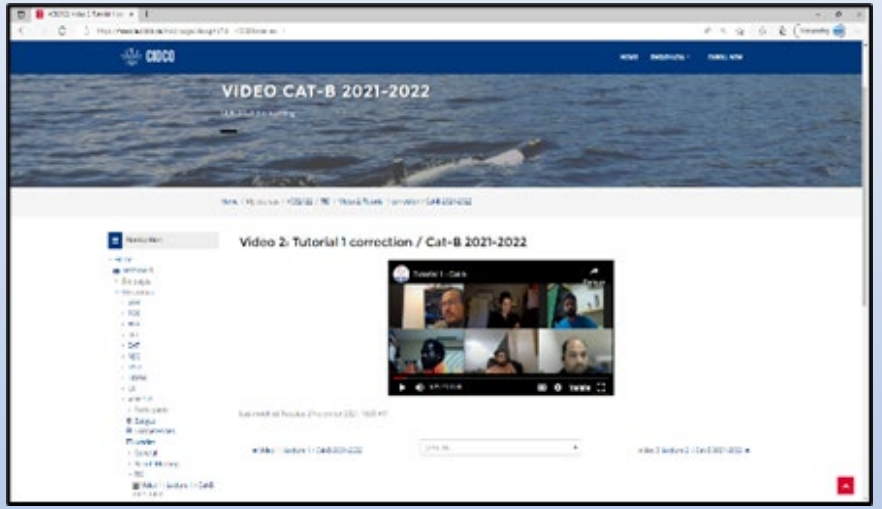


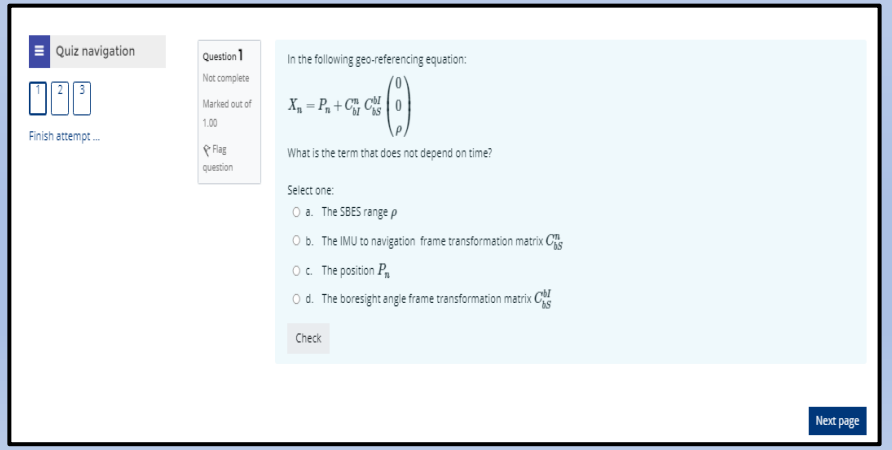
Capacity building



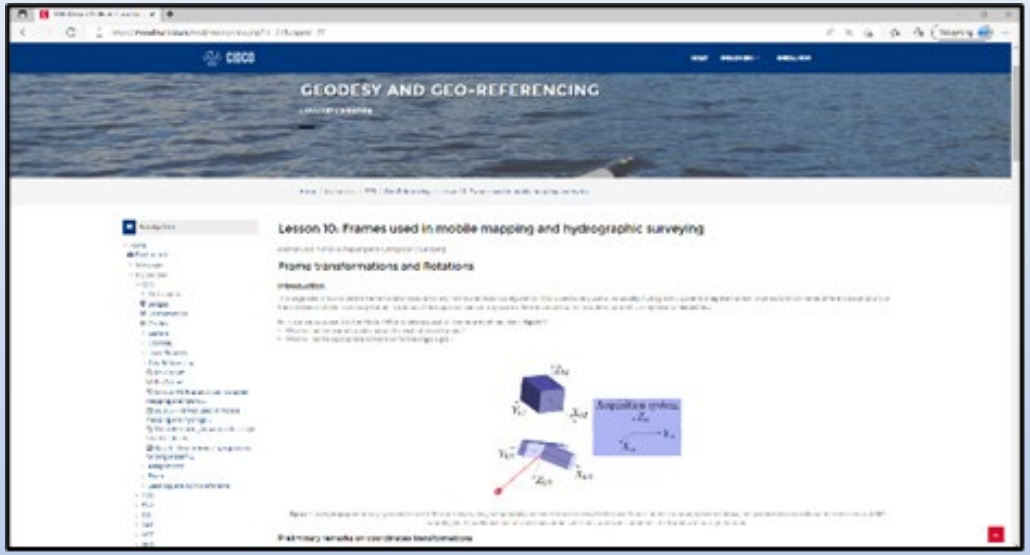


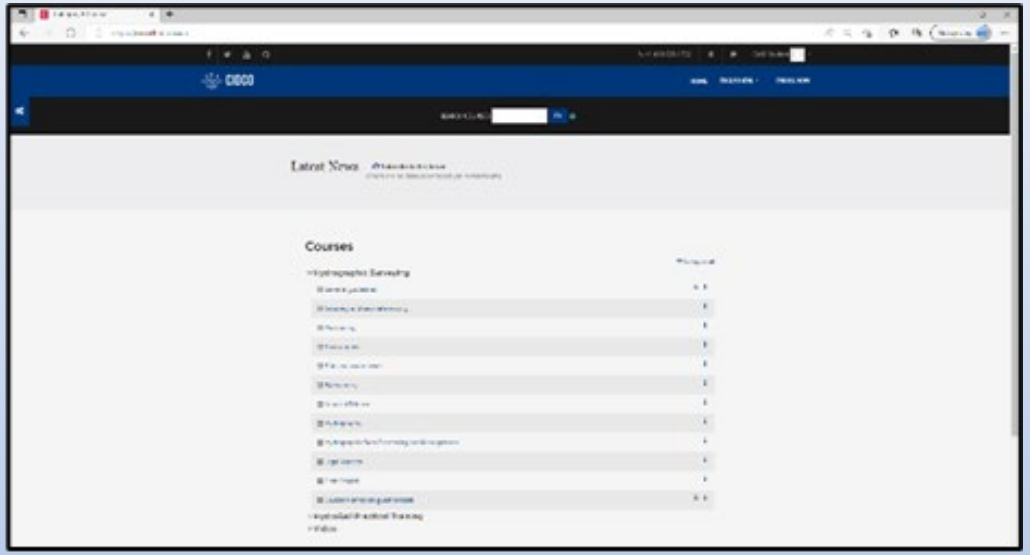
Blended learning

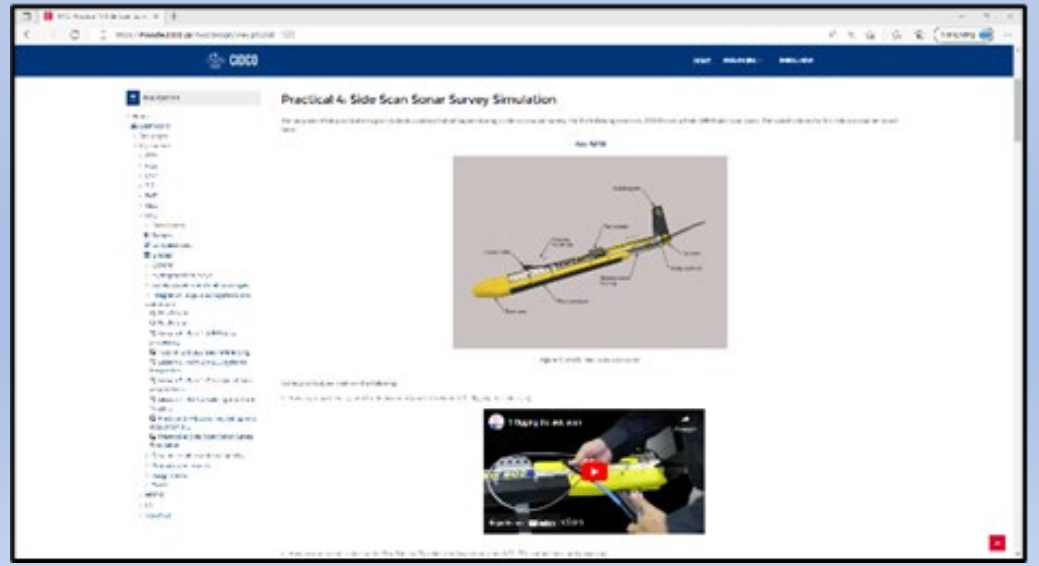


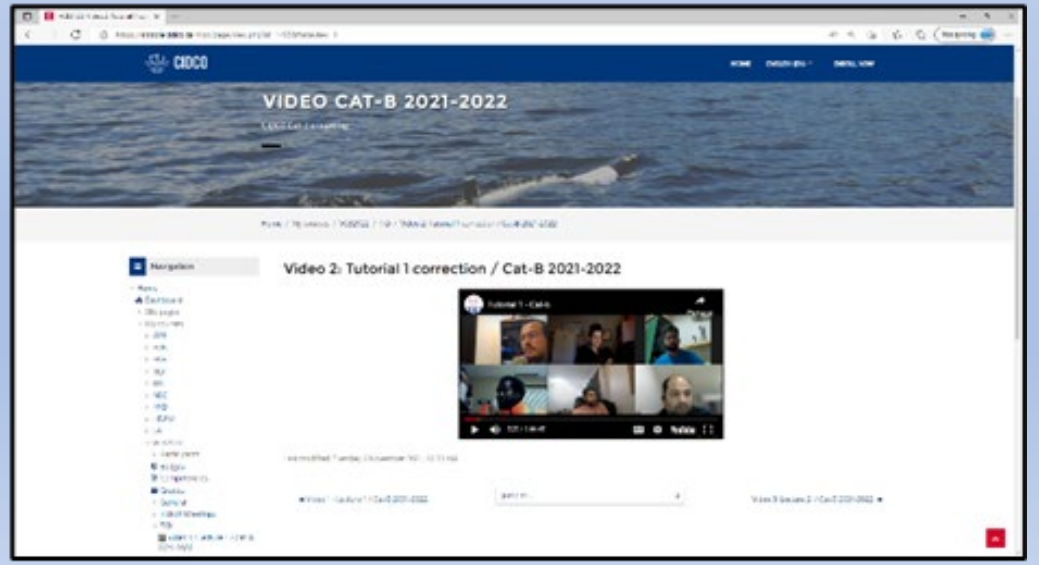


E-learning platform



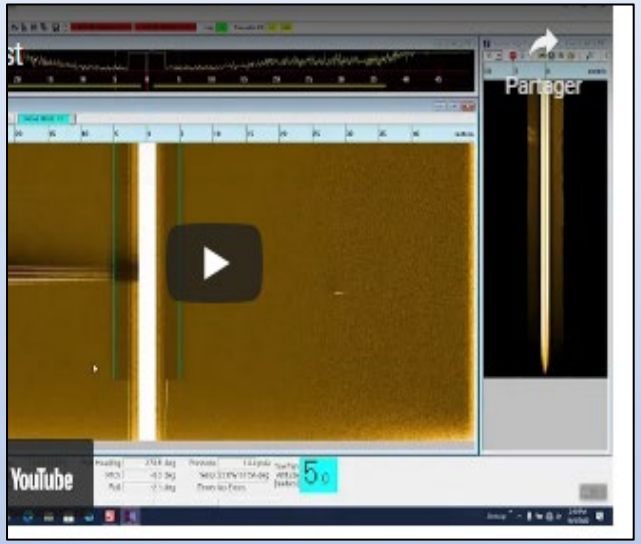


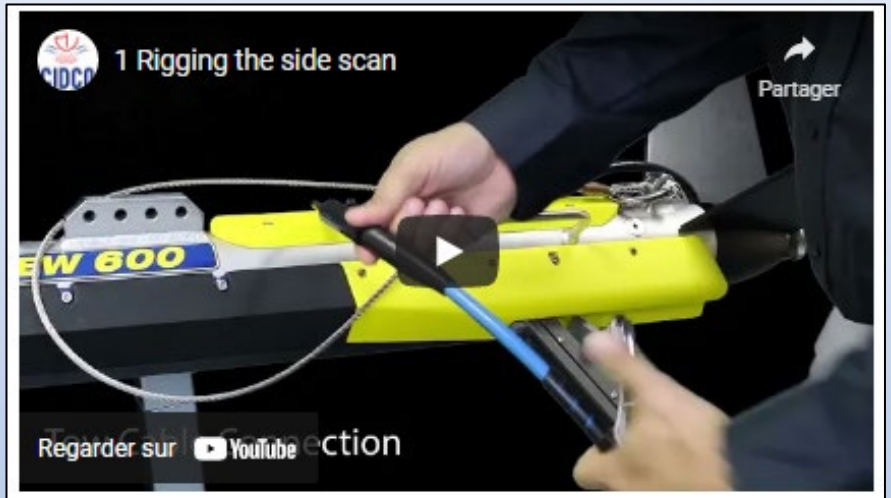


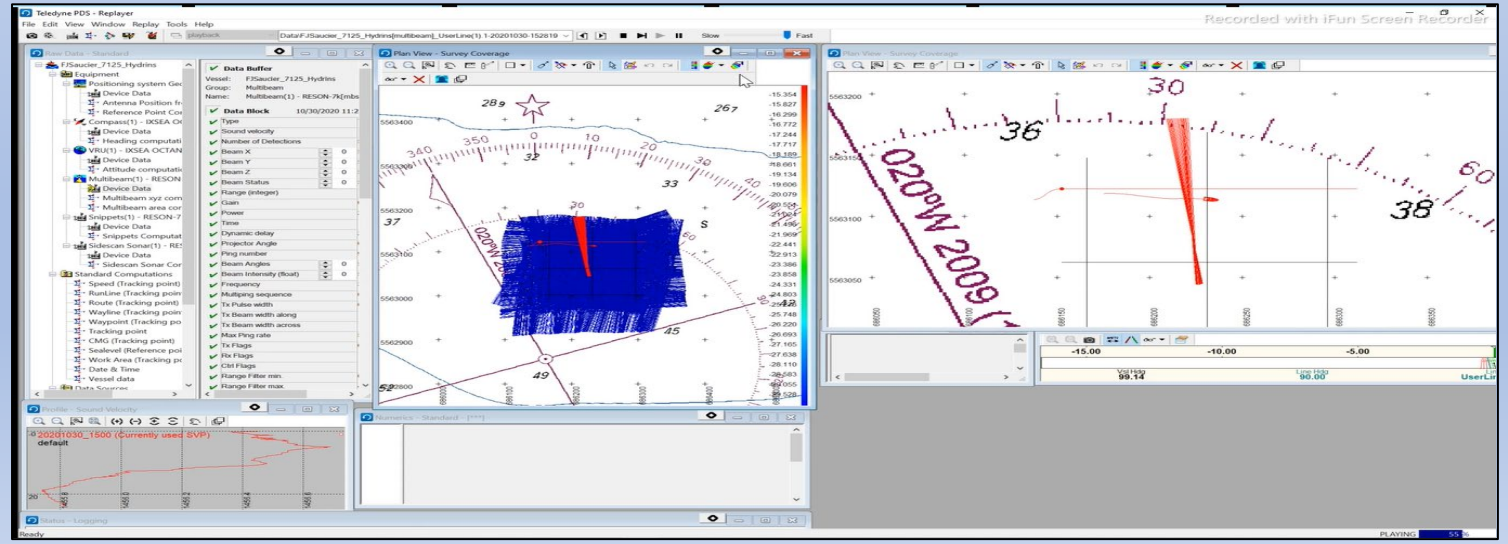


E-learning platform

Simulations Exercises







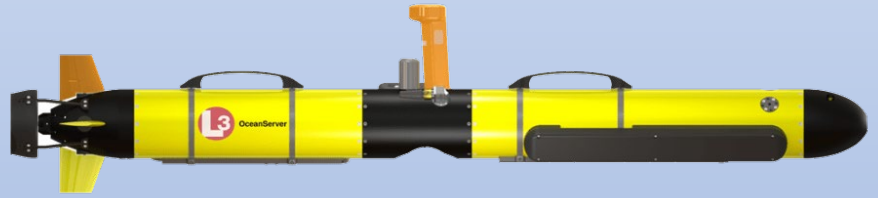
w fish and Top side Unit (watch the video N°2 : TPU connections and power-up);

Final Field Project

CFFP 2022 Class

Equipment

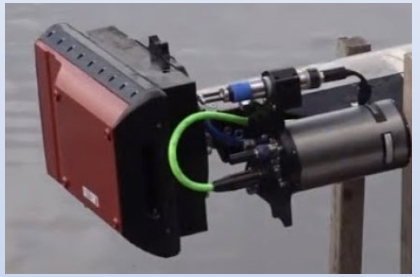
Sonar à balayage latéral multifaisceaux Klein MA-X View 600



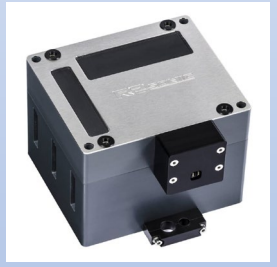
Véhicule autonome sous-marin Iver 3

Hydroball©

Sonar multifaisceaux Kongsberg EM 2040P



Sonar multifaisceaux R2Sonic 2020



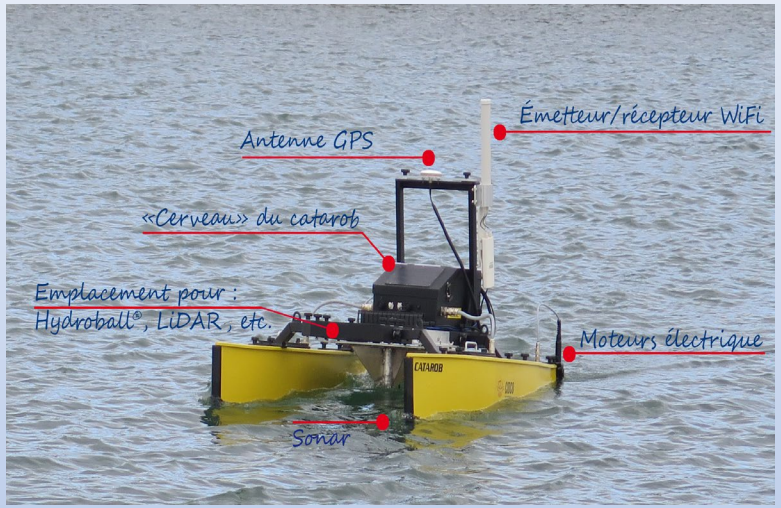
IMU iXblue Hydrins

Sondes multiples

Récepteur GPS

Équipement arpentage

Vessels


Émetteur/récepteur WiFi
Antenne GPS
«Cerveau» du catarob
Emplacement pour :
Hydroball®, LIDAR, etc.
Moteurs électrique
Sonar


F-J-SAUCIER
CIDCO
C21384QC

Thank you! / Merci!

CIDCO

COMREN
Canadian Ocean Mapping Research & Education Network
RéCREH
Réseau Canadien de Recherche et d'Enseignement en Hydrographie

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